





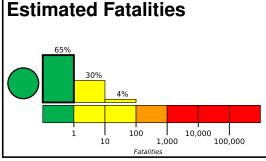
**PAGER** Version 6

Created: 2 weeks, 0 days after earthquake

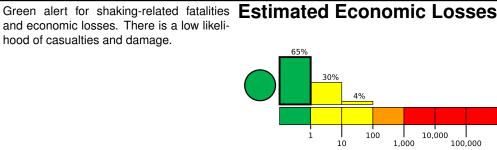
## M 6.9, 132 km NW of Neiafu, Tonga

Origin Time: 2023-07-02 10:27:43 UTC (Sat 22:27:43 local) Location: 17.8810° S 174.9484° W Depth: 229.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov



and economic losses. There is a low likeli-



**Estimated Population Exposed to Earthquake Shaking** 

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	_*	21k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan

# 5000 176.1°W 174.8°W 173.4°W 0 16.4°S 17.8°S Neiafu 19.1°S 0

#### **Structures**

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

## **Historical Earthquakes**

l	Date	Dist.	Mag.	Max	Shaking	
l	(UTC)	(km)		MMI(#)	Deaths	
l	2006-09-28	345	6.9	IV(197k)	0	
1	1999-01-05	126	5.9	VII(15k)	_	
	2006-05-03	267	8.0	VIII(7k)	0	

### Selected City Exposure

from GeoNames org

g				
MMI	City	Population		
IV	Hihifo	1k		
IV	Pangai	2k		
IV	Neiafu	4k		

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.